

FIGURE 1

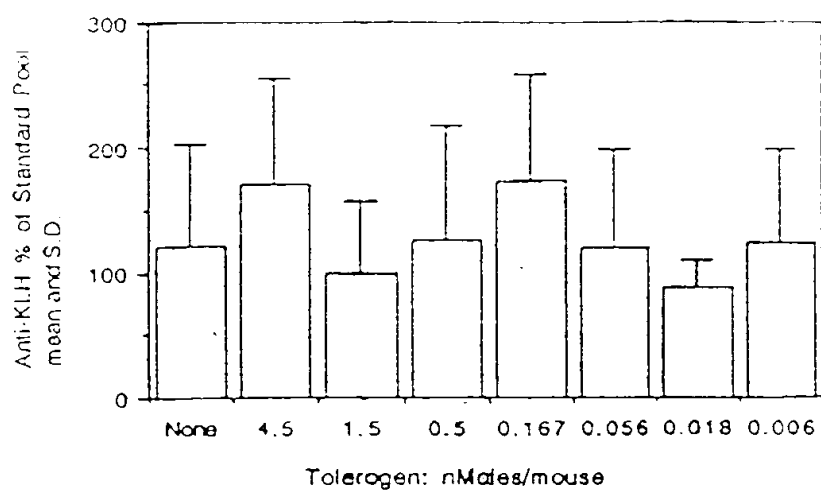


FIGURE 2

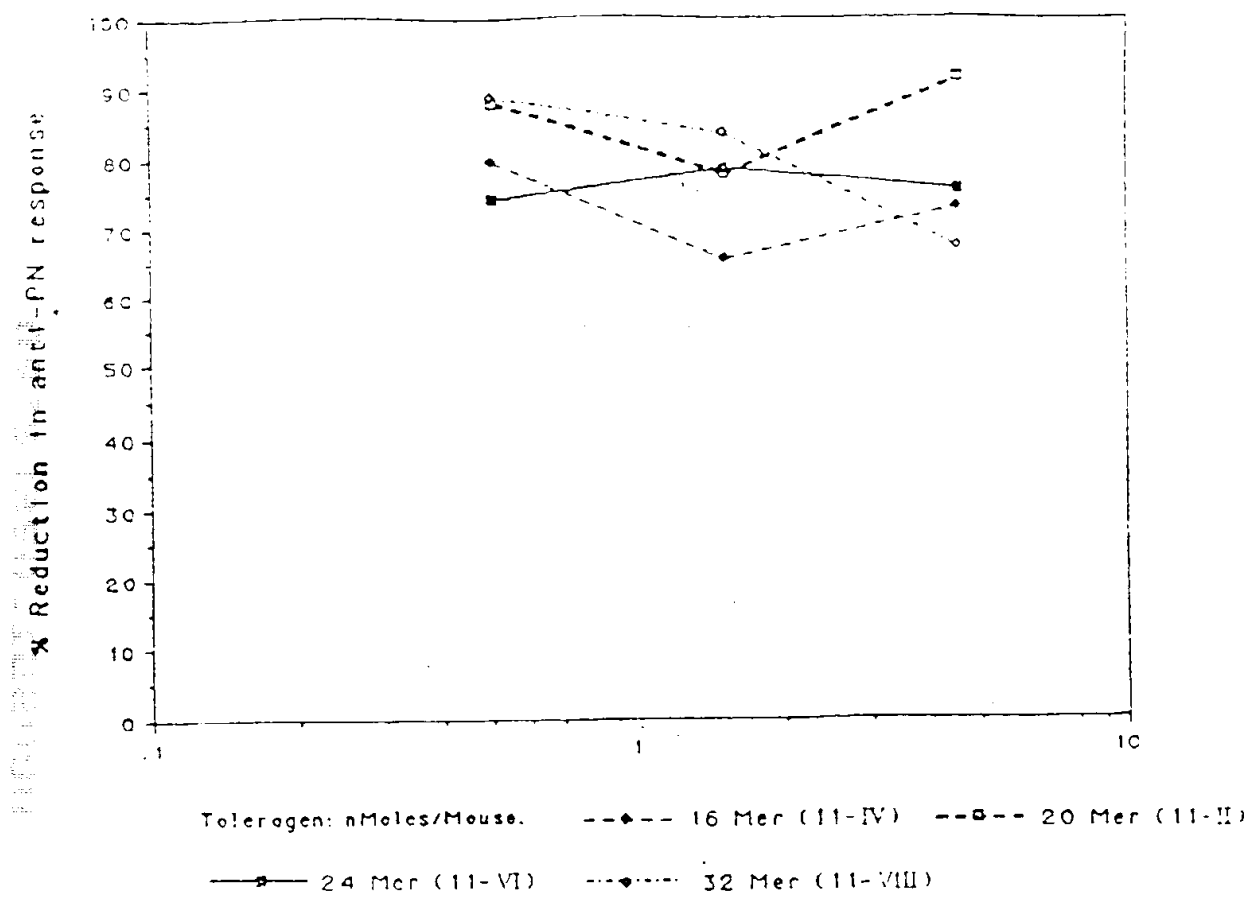


FIGURE 3

100-224-1001-1950

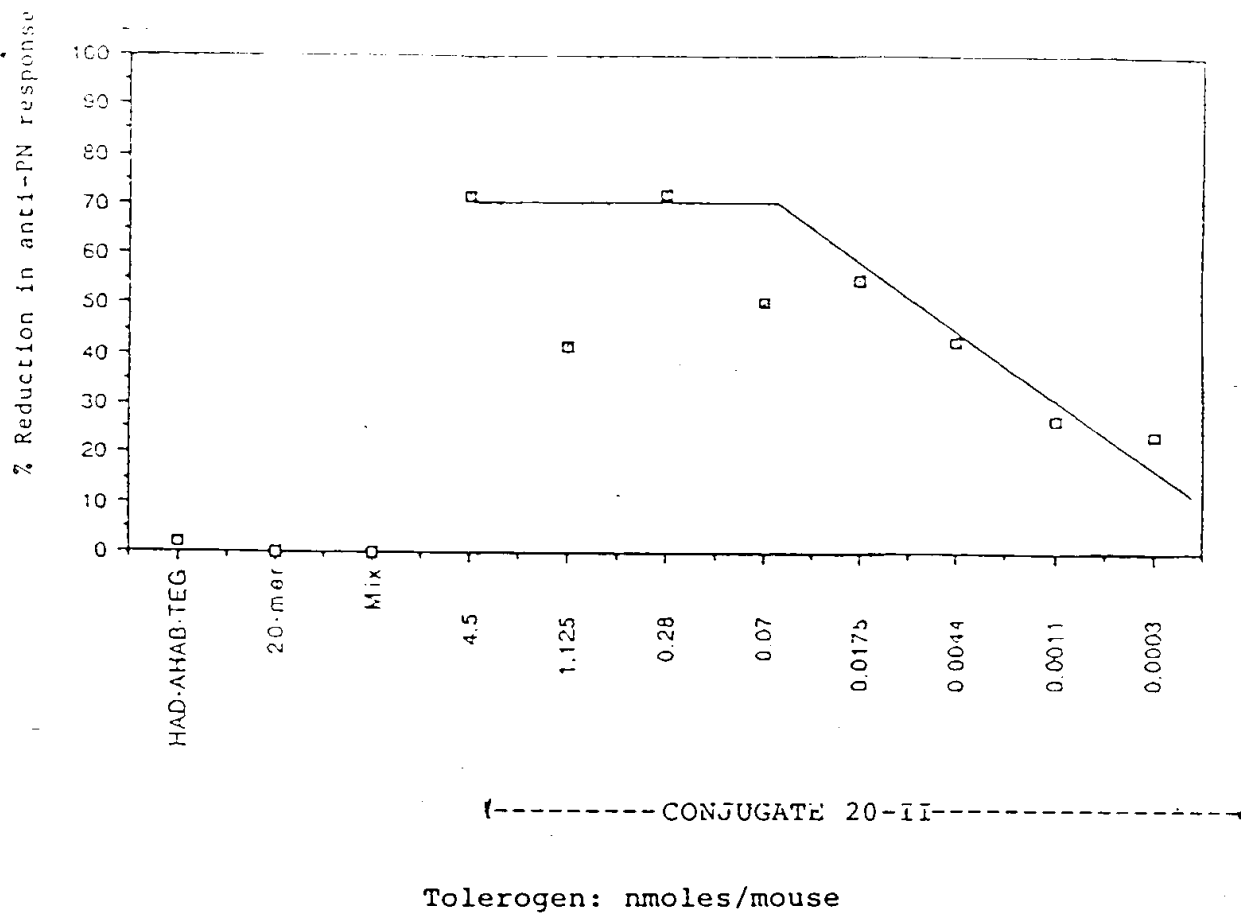
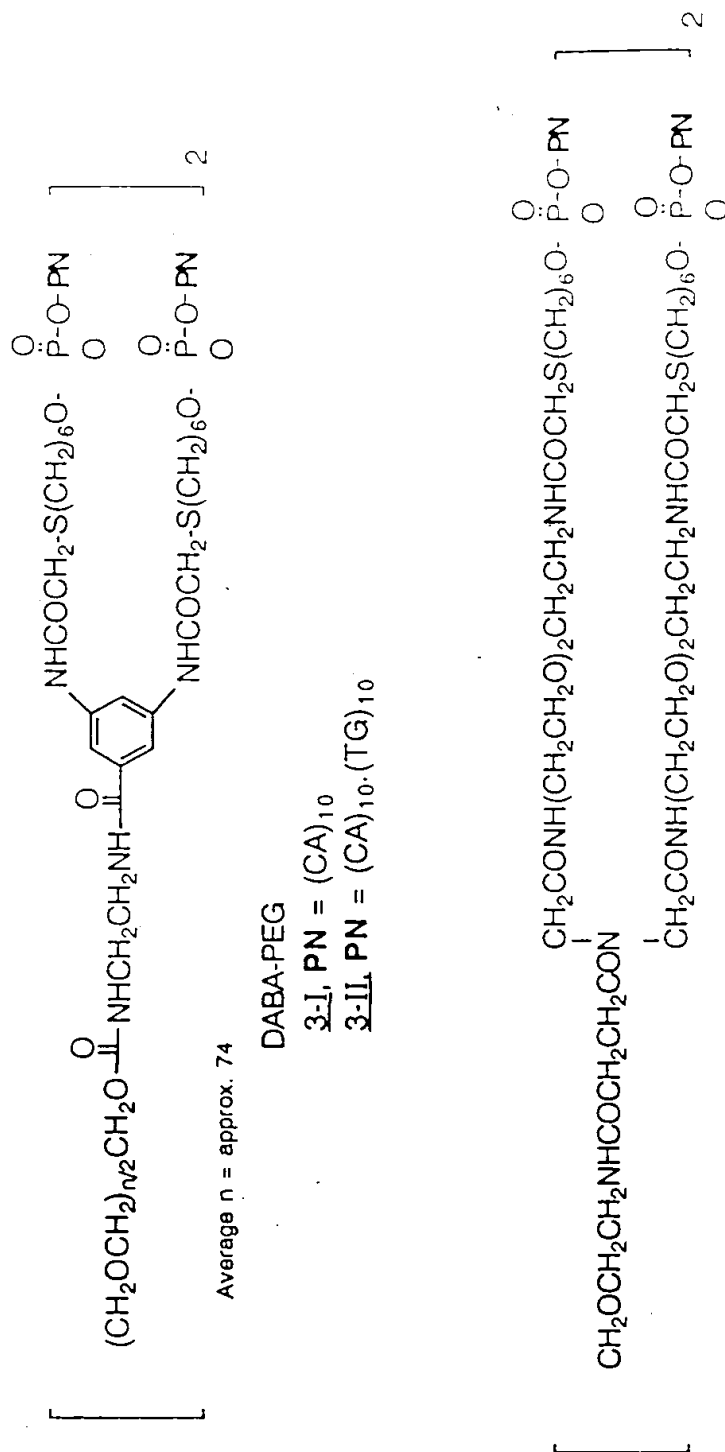


FIGURE 4





BAHA<sub>ox</sub>-EDDA

- $\underline{11\text{-I}}, \text{PN} = (\text{CA})_{10}$   
 $\underline{11\text{-II}}, \text{PN} = (\text{CA})_{10}, (\text{TG})_{10}$   
 $\underline{11\text{-IV}}, \text{PN} = (\text{CA})_8, (\text{TG})_8$   
 $\underline{11\text{-VI}}, \text{PN} = (\text{CA})_{12}, (\text{TG})_{12}$   
 $\underline{11\text{-VIII}}, \text{PN} = (\text{CA})_{16}, (\text{TG})_{16}$

FIGURE 6A

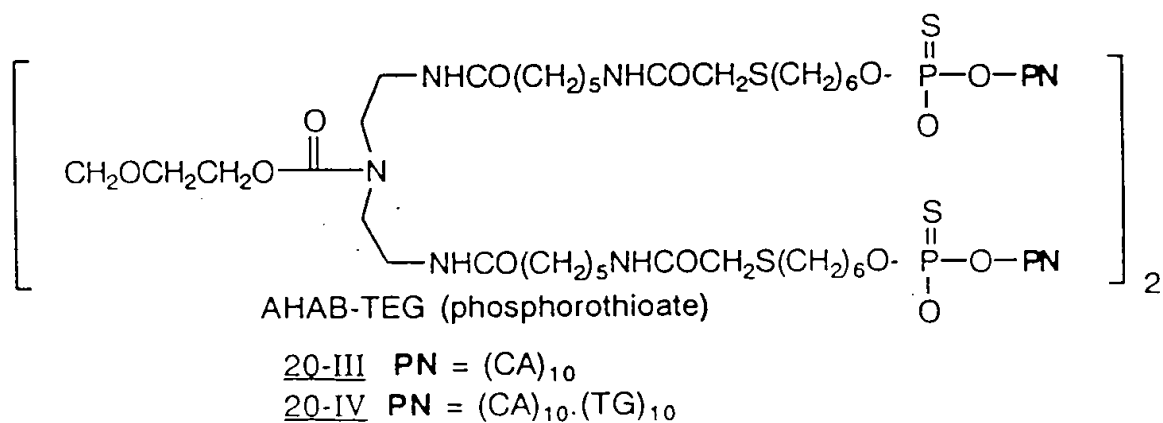
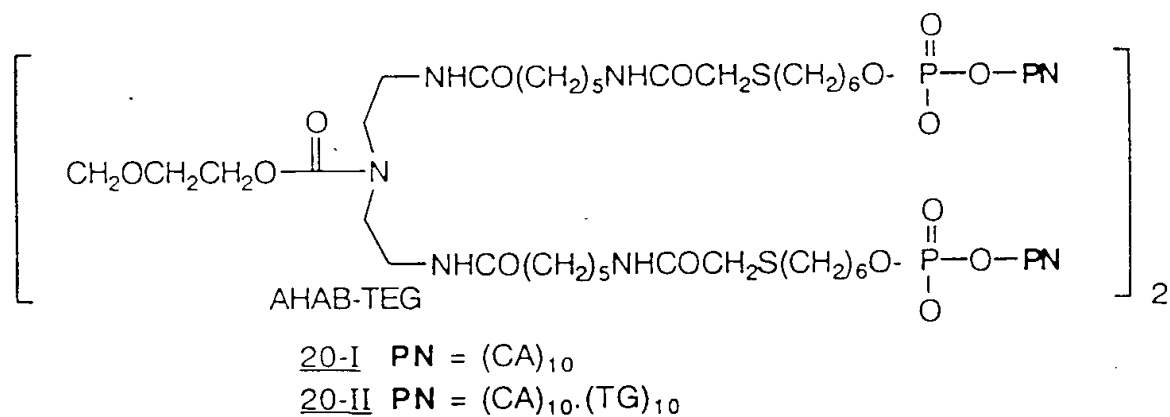
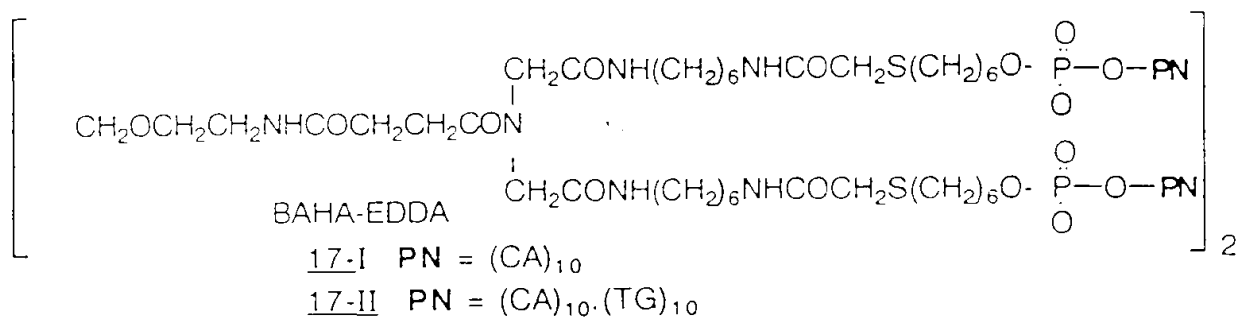


FIGURE 6B

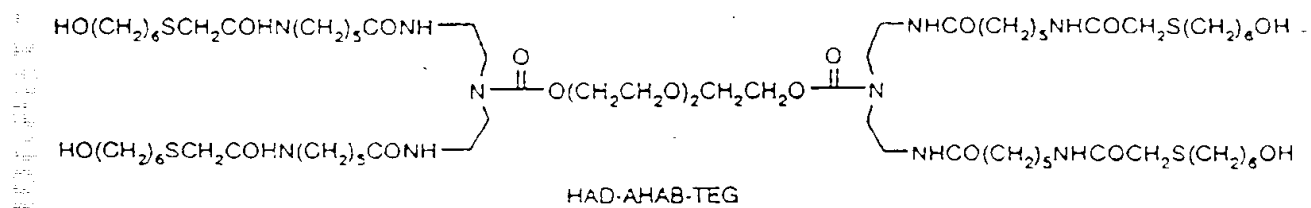


FIGURE 7



## T Cell Proliferation Induced by Mellitin Peptides

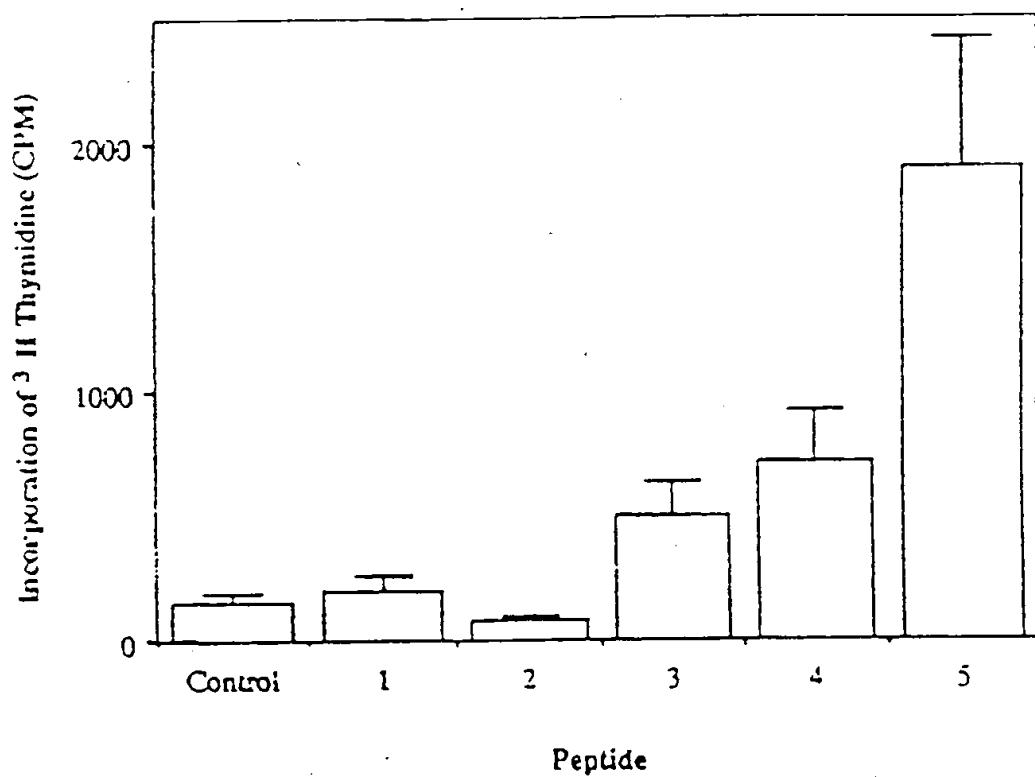


FIGURE 8

O.D. 450 nm

IgG serum circulating Ab to melittin peptide 2

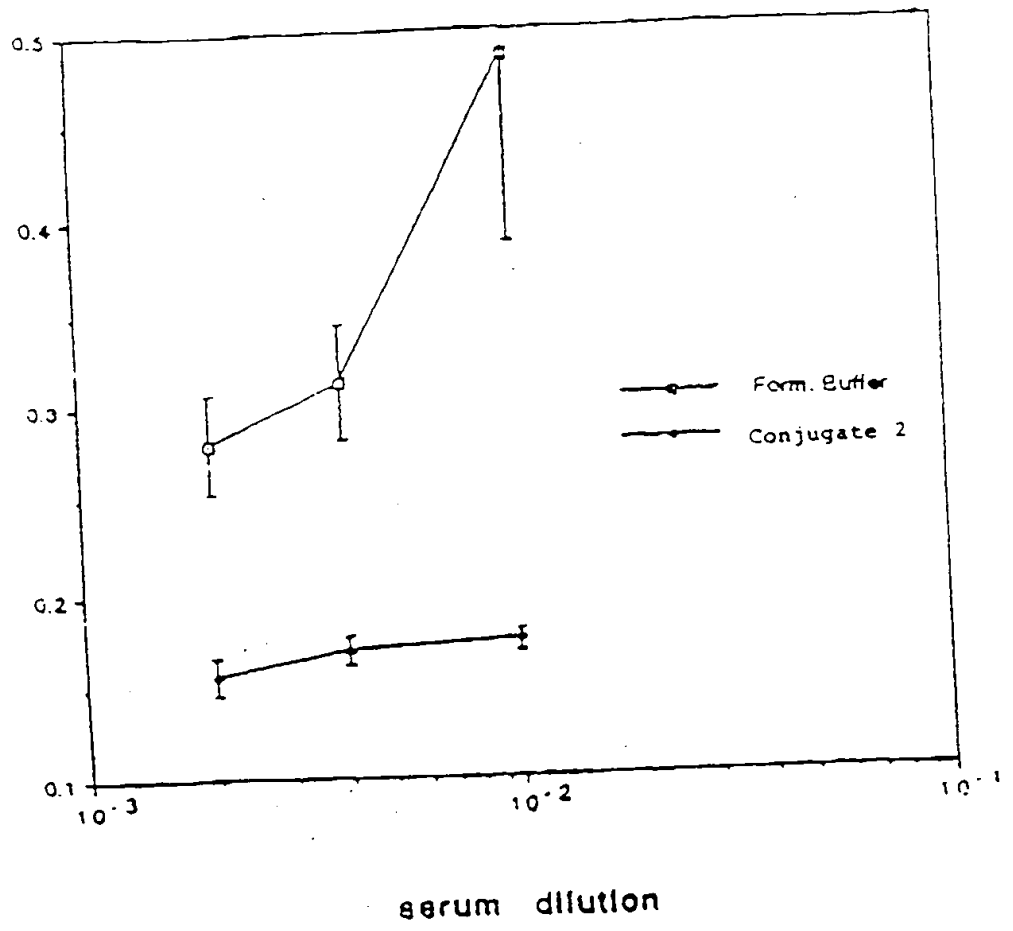


FIGURE 9

IgG serum circulating levels to Melittin

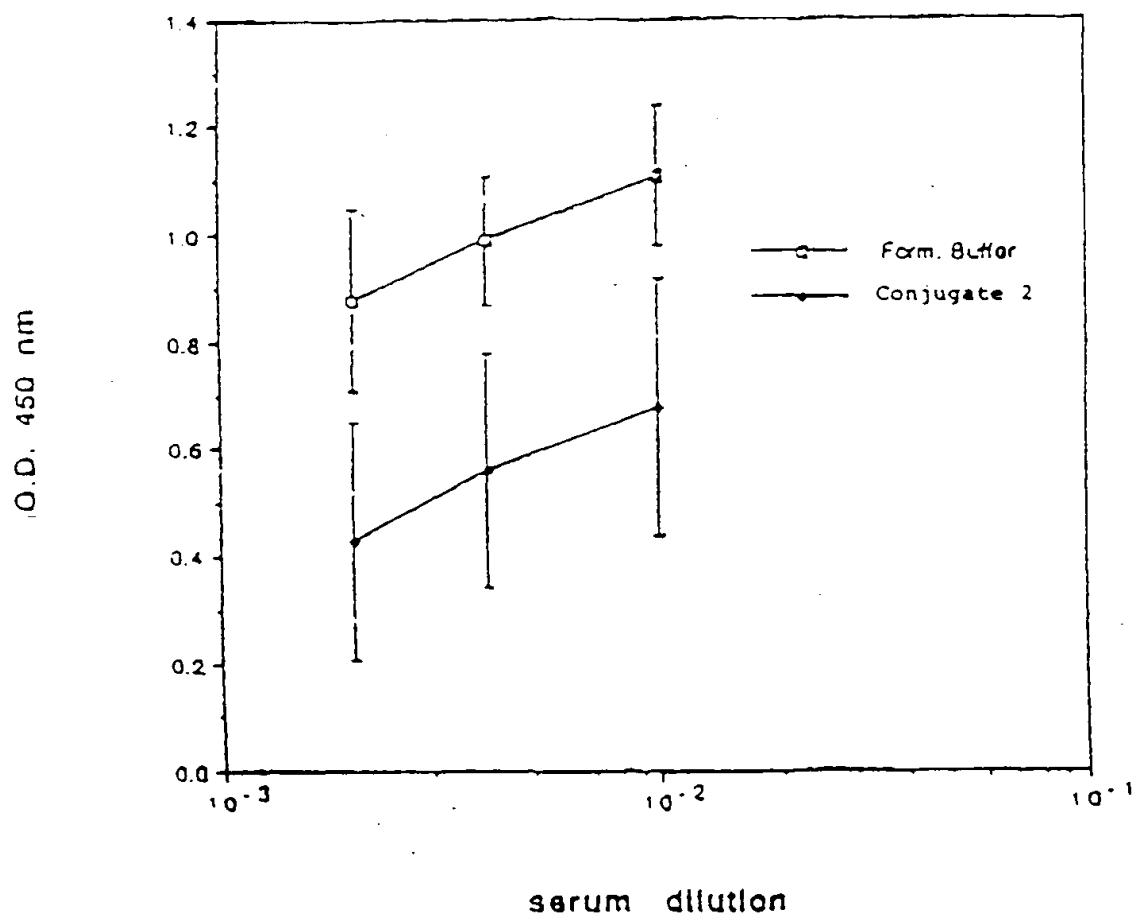


FIGURE 10

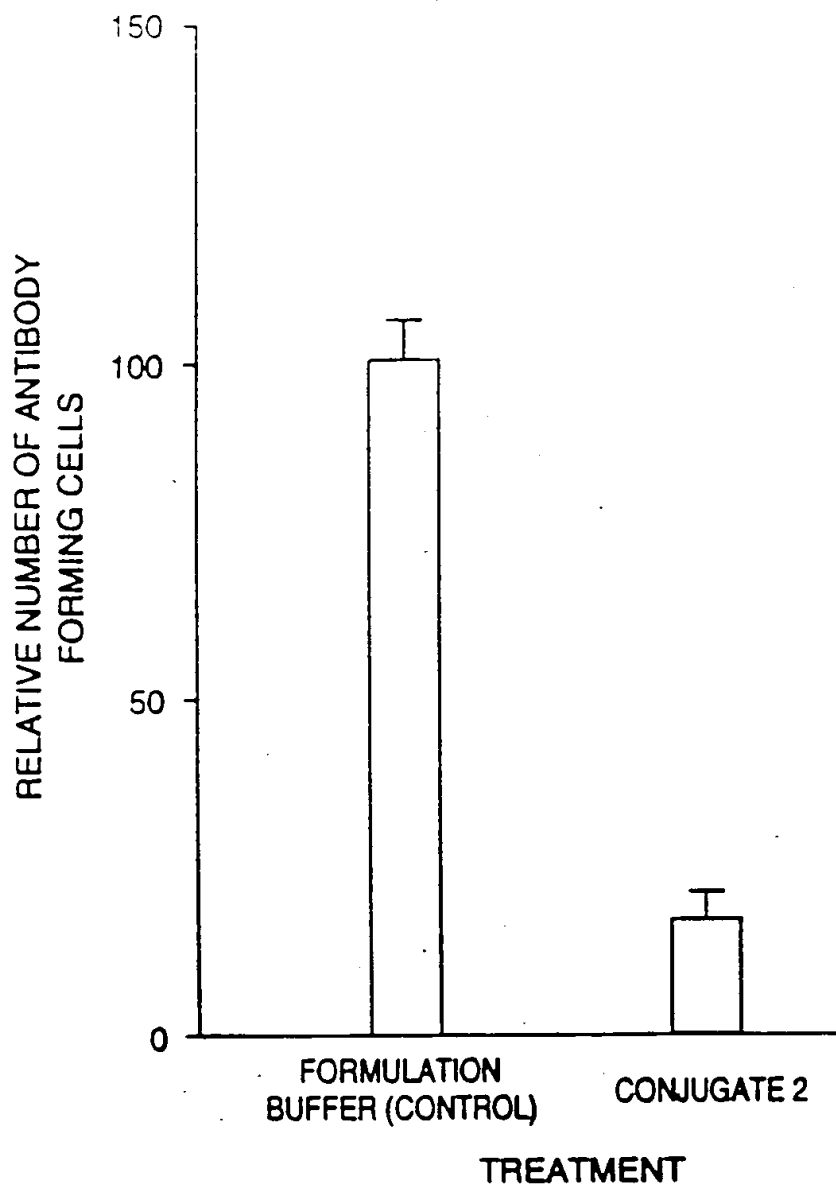


FIGURE 11

O.D. 450 nm

IgG serum circulating Ab to Peptide 5

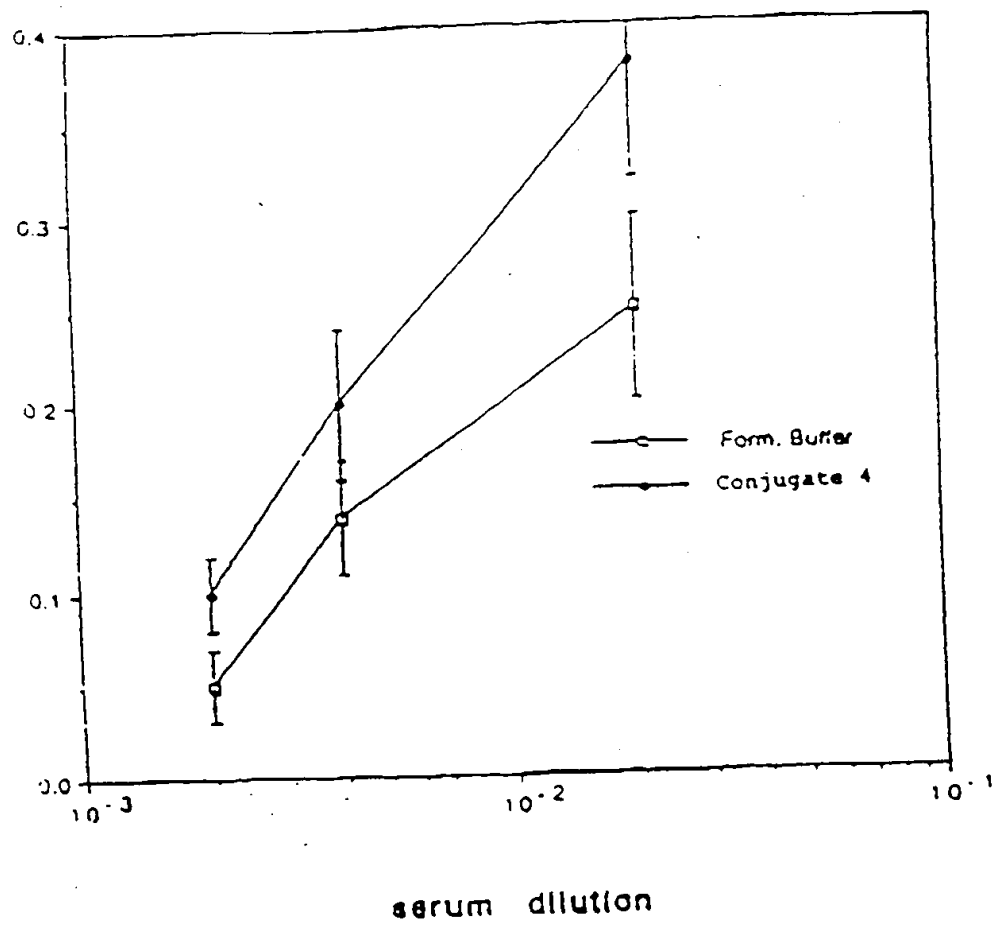
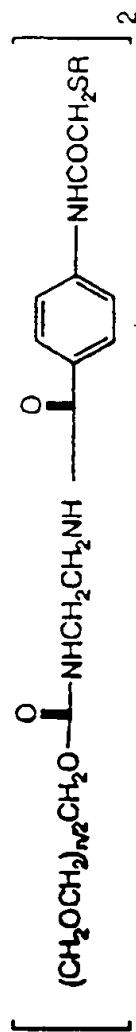


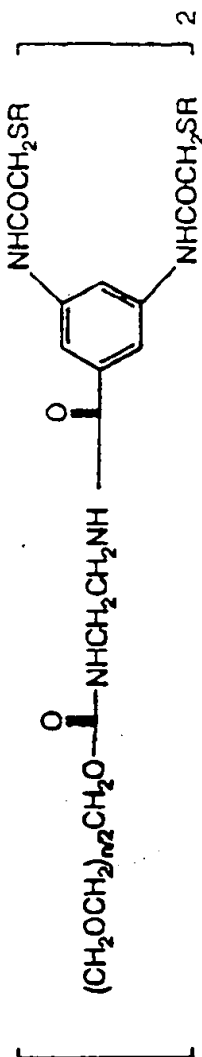
FIGURE 12

## Melittin Peptide Conjugates



Melittin Conjugate # 1, R =  $\text{H}_2\text{N-Trp-Ile-Lys-Arg-Gln-Gln-Lys-Cys-Gly-CO}_2\text{H}$

Average  $n$  = approx. 74

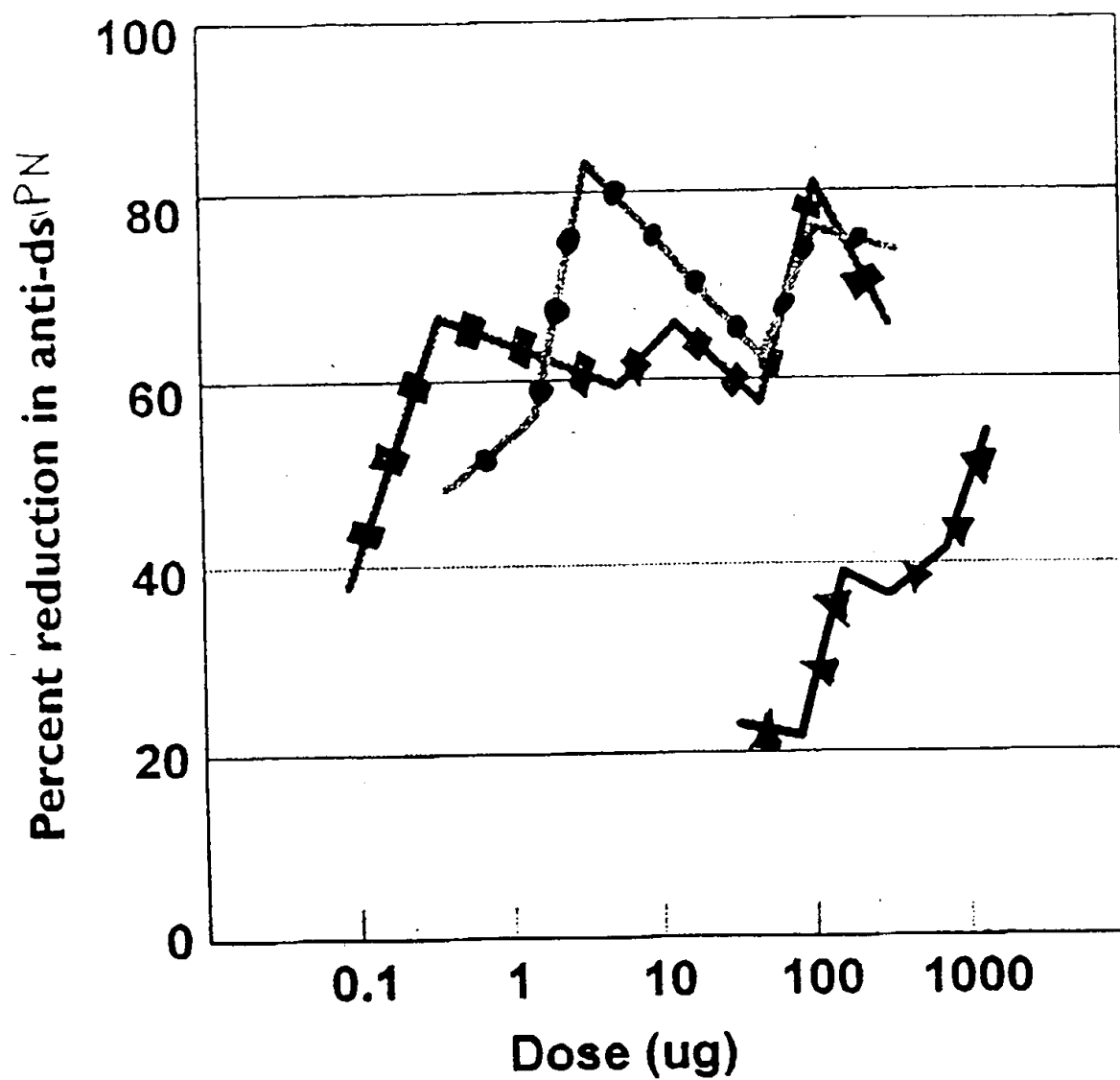


Melittin Conjugate # 2, R =  $\text{H}_2\text{N-Cys-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Gly-CO}_2\text{H}$   
 Melittin Conjugate # 3, R =  $\text{H}_2\text{N-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Lys-Cys-Gly-CO}_2\text{H}$   
 Melittin Conjugate # 4, R =  $\text{H}_2\text{N-Cys-Ile-Ser-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Gly-CO}_2\text{H}$   
 Melittin Conjugate # 5, R =  $(\text{H}_2\text{N-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln})_2\text{-Lys-Cys-Gly-CO}_2\text{H}$

Melittin peptides attached through sulfur atom on added cysteine, average  $n$  = approx. 74

FIGURE 13

# Inhibition of Anti-ds<sup>PN</sup> by LJP- 249 and LJP- 105



● LJP- 249 A    + LJP- 249 B    ★ LJP- 105

FIGURE 14

## Treatment of Male BXSB Mice with LJP394

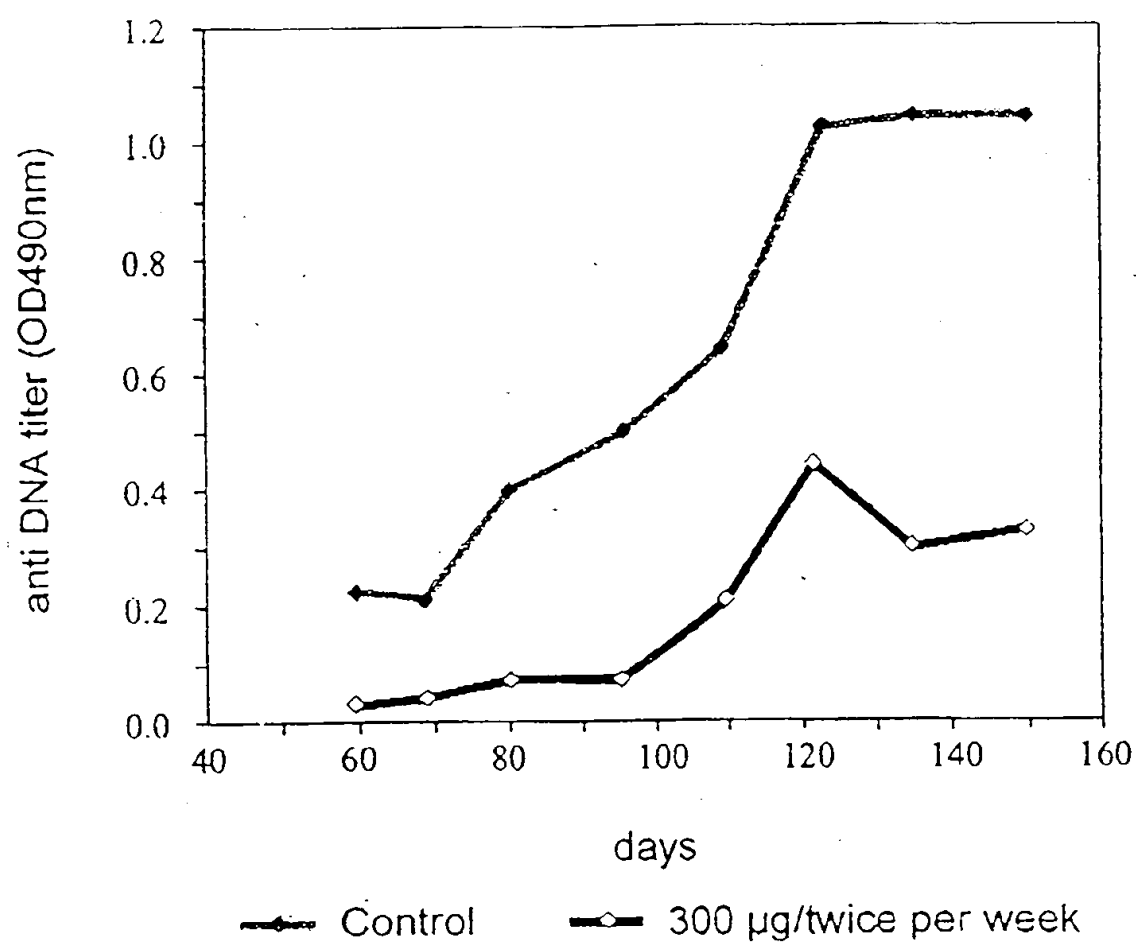


FIGURE 15